

23. An apparatus for reducing the effect of multiple dominant pilots in a CDMA transmission system comprising:

a² a fixed transceiver located in an area of multiple dominant CDMA pilots wherein said fixed transceiver transmits forward link signals of a nearby base station;

a base station having an associated sector near said fixed transceiver; and

linking means coupling said fixed transceiver to said base station for enabling transporting signals between said fixed transceiver and said base station, and wherein said transceiver increases the signals strength of the nearby base station signals so as to reduce the number of dominant pilots and thereby the effect of multiple dominant pilots on the CDMA system.

Please add the following new claims

28. (New) A method for reducing the number of dominant pilots in a CDMA system where the signal levels of such pilots within a particular geographical area interferes with the systems ability to secure and to hand-off calls to other cells comprising of:

a³ determining the location within a geographical area where a plurality of interfering pilot signals exceed a pre-determined dB threshold level as compared to the level of one of the dominant signals,

placing within the determined location a simulcasting element for boosting the signal level of the one dominant signal to a predetermined level (so that the dominant pilot,) and

utilizing said element to carry all signals from the cell served by the one dominant signal.

29. (New) The method of claim 28 wherein the simulcasting element is a repeater.

30. (New) The method of claim 28 wherein the predetermined dB threshold level is within a range of 3 to 6dB of the local signal strength.

31. (New) The method of claim 28 wherein the one dominant signal is the local signal from a cell within the geographical area.

32. (New) The method of claim 28 wherein the simulcasting element is an omni-directional cell.

33. (New) The method of claim 31 wherein said element receives forward link as well as reverse link signals said cell within the geographical area.

34. (New) The method of claim 31 further including a wired link connecting said element to said cell.

35. (New) The method of claim 31 further including a wireless link connecting said element to said cell.

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